



Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (currently amended) A portable electronic system configured for a secure transaction, comprising:

a card having a width, length, and thickness, wherein a ratio of length to thickness is at least 5:1, wherein the card is flexible;

a storage medium to store data; and

an integrated circuit device ("IC") including security information,

wherein the storage medium and the IC are provided within the card and;

wherein the security information stored in the IC is used to authenticate an access request to the storage medium.

2. (currently amended) A portable electronic system configured for a secure transaction, comprising:

a card having a width, length, and thickness, wherein a ratio of length to thickness is at least 5:1, the card including a storage medium to store data and an integrated circuit device ("IC") including security information; and

~~The portable electronic system of claim 1, further comprising:~~

a reader including a slot to receive the card and to access the storage medium, the reader including a first interface, and a second interface, and a third interface, the first interface being configured to interface with the IC, and the second interface being configured to interface with the storage medium, the third interface being configured to interface with a host,

wherein the security information stored in the IC is used to authenticate an access request to the storage medium.

3. (currently amended) The portable electronic system of claim 2, wherein the reader further includes:

a security module coupled to the first interface and including a first processor, the security module cooperating with the IC to authenticate the access request,  
wherein the card is flexible, and the third interface is a USB interface.

4. (original) The system of claim 3, wherein the security module further includes:

a read-only memory, and  
a second processor configured to perform encryption or decryption algorithm.

5. (currently amended) The system of claim 4, wherein the security module further includes:

a random number generator, and  
a random access memory,  
wherein the card conforms to ISO 7816 specification and is configured to fit in a sleeve of a wallet.

6. (currently amended) The system of claim 2-4, wherein the storage medium is a non-volatile semiconductor device, wherein the slot is provided on a first edge of the reader and the third interface is provided on a second edge of the reader, the first and second edges being on the opposing sides of each other.

7. (canceled)

8. (currently amended) A portable electronic system configured for a secure transaction, comprising:

a card having a width, length, and thickness, wherein a ratio of length to thickness is at least 5:1;  
a storage medium to store data; and  
an integrated circuit device ("IC") including security information,  
wherein the storage medium and the IC are provided within the card and,

wherein the security information stored in the IC is used to authenticate an access request to the storage medium,

wherein the storage medium is a flash memory,

The system of claim 7, wherein the IC is provided directly over the flash memory.

9. (original) The system of claim 8, wherein an circuit interface is provided between the IC and the flash memory.

10. (original) The system of claim 9, wherein the circuit interface is a flexible circuit.

11. (original) The system of claim 1, wherein the IC includes a memory, a security information storage area for storing the security information, and a cryptography module.

12. (original) The system of claim 11, wherein the security information is a cryptography key.

13. (original) The system of claim 12, wherein the memory includes a secured area and a non-secured area.

14. (original) The system of claim 1, wherein the storage medium on the card is a disk, the card including a pin that is configured to move along a first direction and a second direction.

15. (original) The system of claim 14, wherein the pin moves along the first direction if the card is inserted into a reader to provide an opening for accessing the disk.

16. (original) The system of claim 15, wherein the pin moves along the second direction if the card is removed from the reader, thereby closing the opening.

17. (currently amended) The system of claim 1, wherein the ratio of the length to thickness is at least 8:1.

18. (currently amended) The system of claim 1, wherein the ratio of the length to thickness is at least about 10:1.

19. (new) The portable electronic system of claim 7, further comprising: a reader including an opening to receive the flexible card and access the storage medium, the reader including a first interface and a second interface, the first interface being configured to interface with the IC and the second interface being configured to interface with the storage medium, the third interface being configured to interface with a host.

20. (new) The portable electronic system of claim 19, wherein the reader includes a third interface that is configured to interface with a host.

21. (new) The portable electronic system of claim 19, wherein the reader further includes:

a security module coupled to the first interface and including a first processor, the security module cooperating with the IC to authenticate the access request.

22. (new) The system of claim 21, wherein the security module further includes:

a read-only memory, and  
a second processor configured to perform encryption or decryption algorithm.

23. (new) The system of claim 22, wherein the security module further includes:

a random number generator, and  
a random access memory,  
wherein the card conforms to ISO 7816 specification and is configured to fit in a sleeve of a wallet.